

ABSTRACT OF THE DISCLOSURE

A metal coating is formed on the inside face of a first
thermostructural composite material part presenting
5 indentations forming channels, and also on the inside face of
a second thermostructural composite material part for being
applied against the inside face of the first part, and the
first and second parts are assembled together by bonding said
inside faces together by hot compression, in particular by hot
10 isostatic pressing, thereby obtaining a thermostructural
composite material cooling panel having integrated fluid flow
channels. The invention is applicable to making heat
exchanger walls such as the walls of combustion chambers in
aircraft engines, or the diverging portions of rocket engines,
15 or plasma confinement chambers in nuclear fusion reactors.